

Message Text

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PAGE 01 SEOUL 07058 230717Z
ACTION OES-07

INFO OCT-01 EA-10 ISO-00 ACDA-07 CIAE-00 INR-07 IO-13
L-03 NSAE-00 NSC-05 EB-08 NRC-05 DODE-00 SS-15
SP-02 FEA-01 /084 W
-----012848 230722Z /17

P R 230648Z AUG 77
FM AMEMBASSY SEOUL
TO SECSTATE WASHDC PRIORITY 5908
USERDA WASHDC PRIORITY
USERDA GERMANTOWN PRIORITY
INFO AMEMBASSY TOKYO

C O N F I D E N T I A L SEOUL 7058

DEPT FOR OES/NET/RD (ADLER)
DEPT PASS NRC (LAFLEUR)
TOKYO FOR W. HENoch

E.O. 11652: GDS
TAGS: TECH, KS
SUBJECT: STARTUP PROGRESS AT KO-RI UNIT 1: TEN PERCENT POWER
OPERATION

REF: A) SEOUL 5136; B) SEOUL 4868

1. SUBSEQUENT TO INITIAL CRITICALITY ON JUNE 19, KO-RI
UNIT 1 NUCLEAR REACTOR POWER OUTPUT WAS REAIDED, MOMENTARILY,
TO TEN PERCENT OF FULL POWER ON JUNE 30. BRIEF OPERATION
AT 60 MWE REVEALED MECHANICAL PROBLEMS WITH PUMPS OF AUXILIARY
SYSTEMS AND CONDENSER TUBE LEAKAGE. TO CORRECT THE LEAKAGE
PROBLEM ALL 1770 STAINLESS STEEL TUBES OF THE AIR SUCTION
INLET REGION OF THE CONDENSER AND ABOUT 100 ALUMINUM-BRASS
TUBES OF THE CONDENSER WERE PLUGGED. THE RESIDUAL HEAT
REMOVAL (RHR) PUMPS MALFUNCTIONED BECAUSE THE BEARING
HOUSINGS WERE NOT VENTED PRIOR TO STARTING. THE TWO
DAMAGED RHR PUMPS HAVE BEEN REPLACED.
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2. AT APPROXIMATELY 0850 ON AUGUST 20, 1977 PLANT POWER
PUTPUT WAS AGAIN RAISED TO 60 MWE FOR A 30 HOUR RUN TO
DEMONSTRATE OPERABILITY TO GOVERNMENT OFFICIALS INCLUDING
ECONOMIC PLANNING MINISTER NAM DUCK-WOO; MINISTER OF
COMMERCE AND INDUSTRY CHANG YE-CHUN.

3. RISE-TO-POWER TESTING HAS INVOLVED REPAIR AND RE-
INSTALLATION OF CONSIDERABLE CONVENTIONAL EQUIPMENT. ONLY
THREE OF THE FOUR CONDENSER COOLING WATER PUMPS ARE IN
OPERATION. THE FOURTH IS STILL BEING REBUILT. ALL FOUR
HAD FAILED DUE TO CAVITATION INDUCED VIBRATION DURING TRIAL
OPERATION BEFORE PLANT TESTING BEGAN. OPERATION OF THESE
PUMPS IS BEING CLOSELY MONITORED AND THEIR REPLACEMENT
CONSIDERED. WESTINGHOUSE IS PLANNING REPLACEMENT OF THE
PLUGGED CONDENSER TUBES AFTER COMPLETION OF THE 100 HOUR
100 PERCENT POWER RUN (TARGET DATES OCTOBER 15 - 30) WHICH MUST BE
COMPLETED BEFORE KOREA ELECTRIC CO. (KECO) ACCEPTANCE OF
THE PLANT WHICH IS CONTRACTUALLY SET FOR NOVEMBER 30. KECO,
WARY OF COMPLETION OF POWER ASCENSION PROGRAM ON SCHEDULE
HAS YET TO ACCEPT WESTINGHOUSE'S PROPOSED DATES FOR
REPLACEMENT OF THE PLUGGED CONDENSER TUBES (ABOUT
4 PERCENT OF THE 42,000 CONDENSER TUBES).
STERN

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Message Attributes

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